



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 93 98 01

### Classification of the application (IPC):

H01R 13/713, H01R 13/52, H01R 13/447, H01R 13/72, H01R 13/506,  
H01R 24/76

### Technical fields searched (IPC):

H01R

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	CN 202217858 U (XIA PAN) 09 May 2012 (2012-05-09) * paragraph [0028] - paragraph [0043]; figures 1-13 *	1-17
A	US 2010216326 A1 (ZHANG YULIN [CN] ET AL) 26 August 2010 (2010-08-26) * paragraph [0020] - paragraph [0028]; figures 1-7 *	1-17
A	CN 202363643 U (TIANJIN JUNTE TECHNOLOGY DEV CO LTD) 01 August 2012 (2012-08-01) * paragraph [0015] - paragraph [0023]; figures 1-3 *	1-17
A	CN 208656040 U (LIU CHANGJI) 26 March 2019 (2019-03-26) * paragraph [0032] - paragraph [0047]; figures 1-3 *	1-17
A	US 10243296 B2 (CHENG CHEN YUAN [TW]; HUNG SHANG CO LTD [TW]) 26 March 2019 (2019-03-26) * column 7, line 41 - column 14, line 30; figures 1-12B *	1-17

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 28 September 2023	Examiner Gomes Sirenkov E M.
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 28-09-2023  
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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CN 202363643	U	01-08-2012	NONE		
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